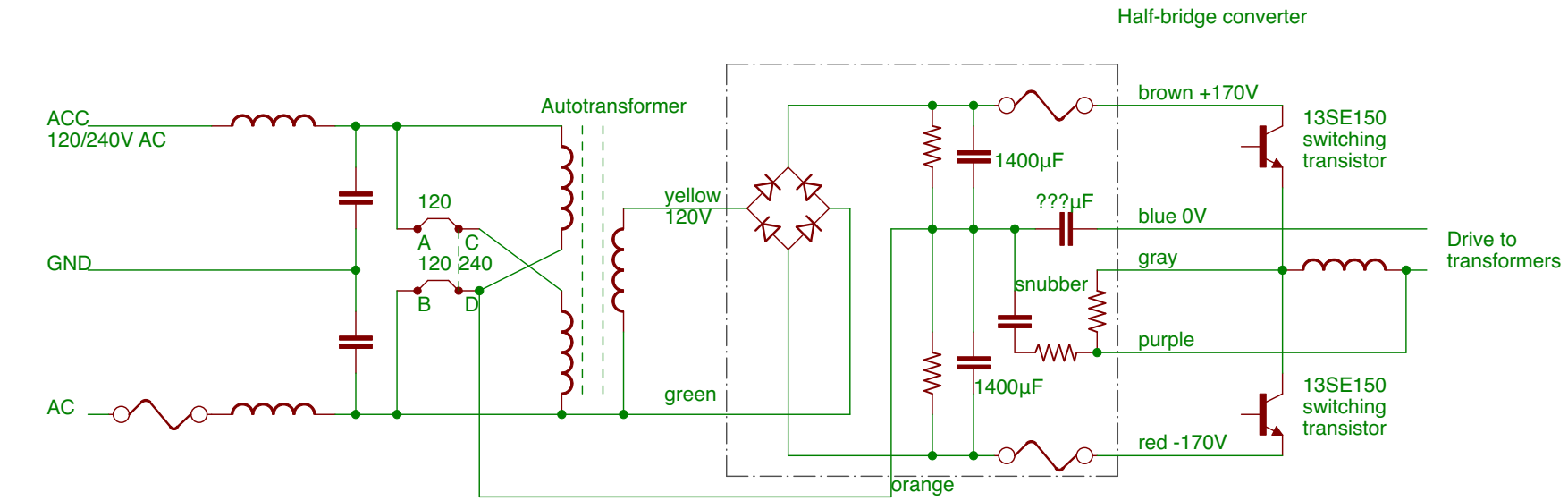
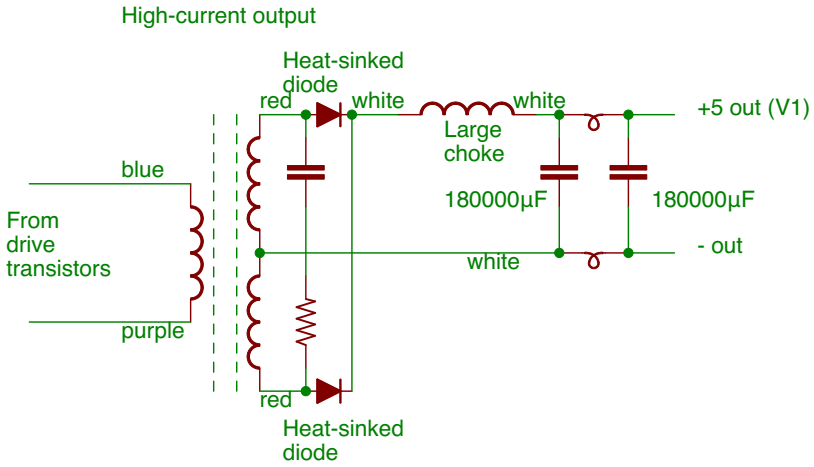
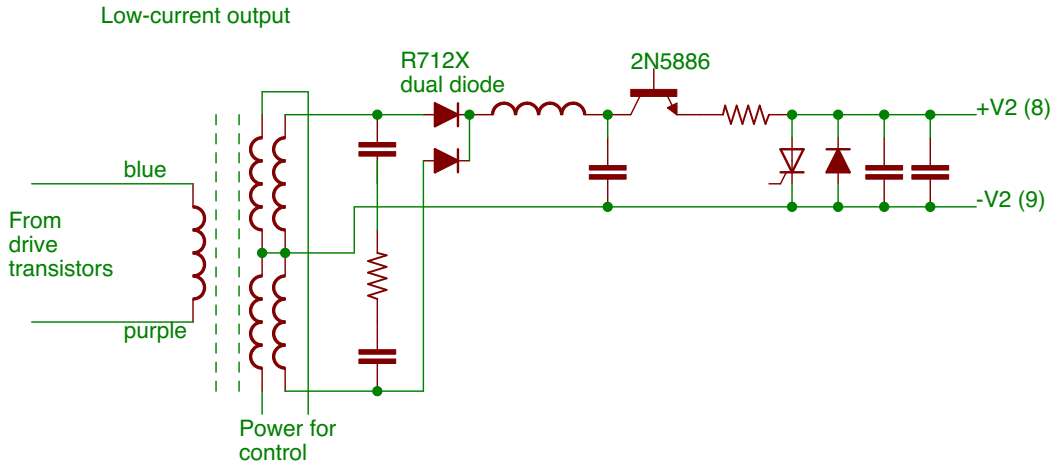

Half-bridge converter
ACC
120/240V AC
GND
AC
Autotransformer
120
A
C
120 240
B
D
yellow
120V
green
1400µF
???µF
snubber
1400µF
brown +170V
blue 0V
gray
purple
red -170V
orange
13SE150
switching
transistor
13SE150
switching
transistor
Drive to
transformers


High-current output
Heat-sinked
diode
red
white
white
Large
choke
+5 out (V1)
blue
From
drive
transistors
purple
180000µF
180000µF
white
- out
red
Heat-sinked
diode


Low-current output
R712X
dual diode
2N5886
+V2 (8)
blue
From
drive
transistors
purple
-V2 (9)
Power for
control